

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072821\
 Data File : VY005497.D
 Acq On : 28 Jul 2021 18:15
 Operator : SY/MD
 Sample : M3216-01
 Misc : 7.23G/5ML/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 29 05:34:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:20:14 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

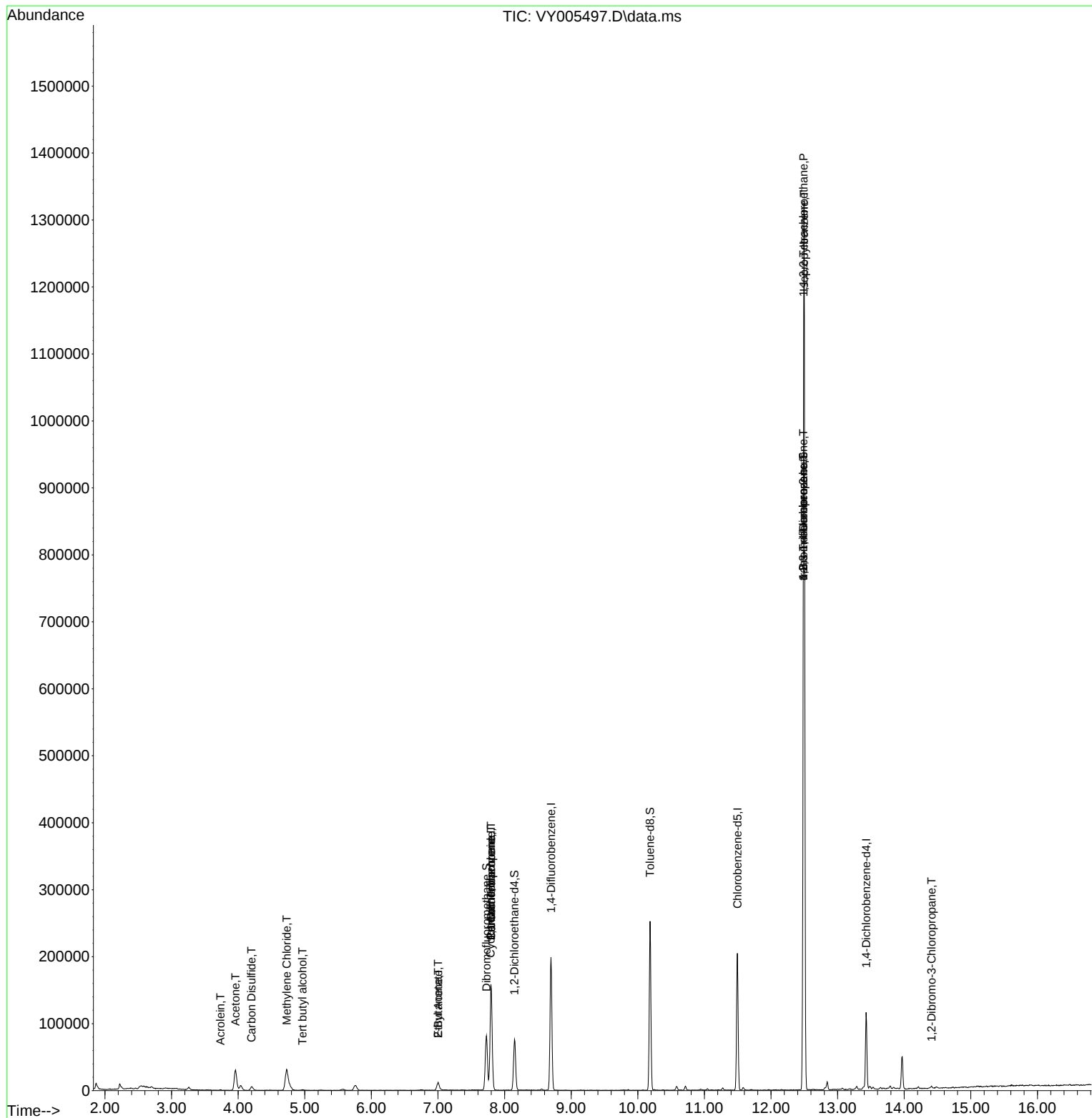
Internal Standards						
1) Pentafluorobenzene	7.795	168	124690	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	165948	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	107502	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	28898	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	63012	47.302	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.600%		
35) Dibromofluoromethane	7.728	113	55164	57.571	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	115.140%		
50) Toluene-d8	10.185	98	158555	39.041	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	78.080%		
62) 4-Bromofluorobenzene	12.483	95	35554	26.525	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	53.060%		
Target Compounds						Qvalue
11) Tert butyl alcohol	4.966	59	1721	13.676	ug/l #	82
13) Acrolein	3.735	56	469	4.070	ug/l #	56
16) Acetone	3.960	43	51646	169.768	ug/l	96
17) Carbon Disulfide	4.198	76	10380	2.633	ug/l	99
20) Methylene Chloride	4.728	84	21933	11.581	ug/l	91
25) 2-Butanone	7.002	43	16428	36.060	ug/l	94
31) Cyclohexane	7.789	56	2737	1.203	ug/l #	61
36) 1,1-Dichloropropene	7.795	75	8646	5.388	ug/l #	51
37) Ethyl Acetate	7.002	43	16428	16.819	ug/l #	70
38) Carbon Tetrachloride	7.795	117	11445	6.527	ug/l #	17
73) Isopropylbenzene	12.495	105	2326	1.167	ug/l #	68
75) 1,1,2,2-Tetrachloroethane	12.489	83	438	1.151	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	25055	88.113	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	25055	171.091	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.410	75	288	3.903	ug/l #	1

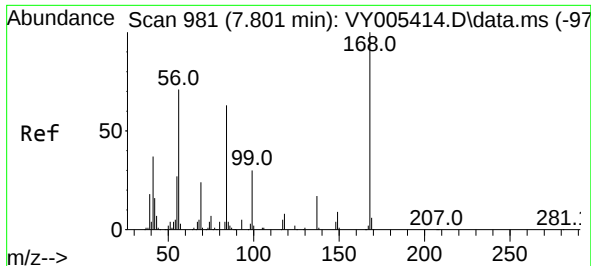
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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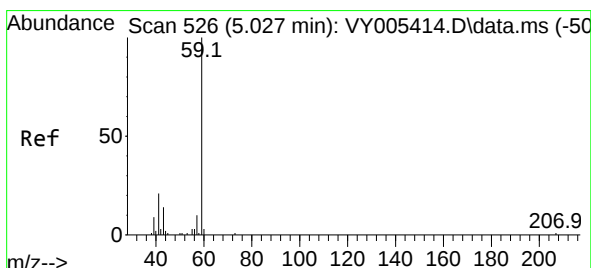
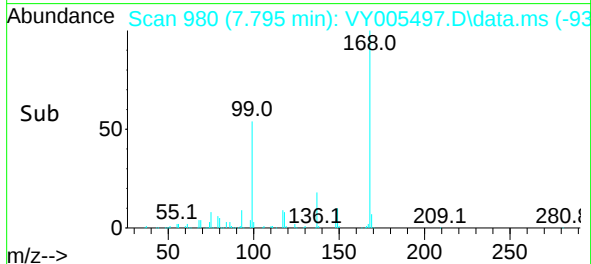
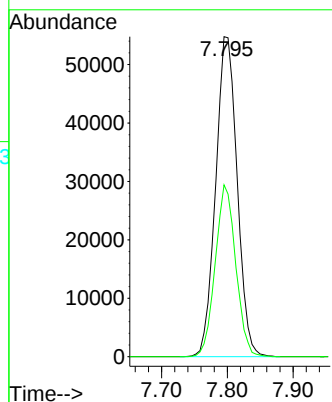
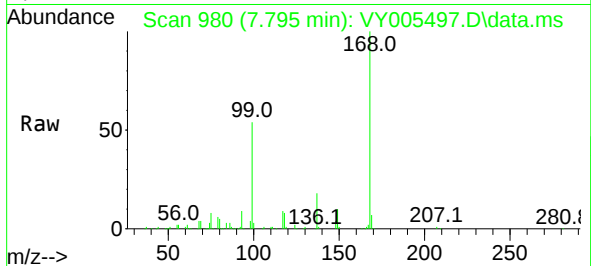




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY005497.D
Acq: 28 Jul 2021 18:15

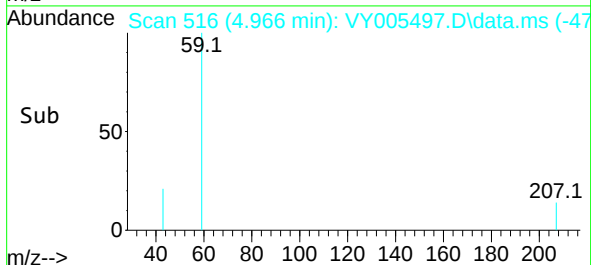
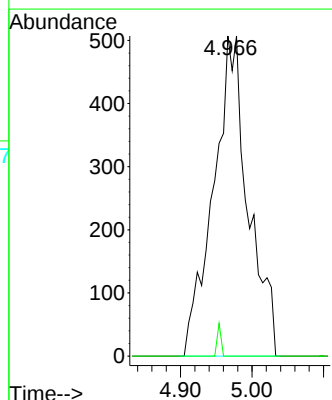
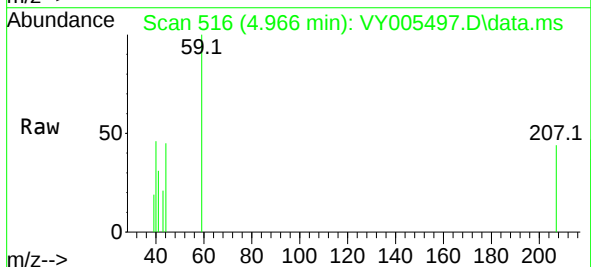
Instrument :
MSVOA_Y
ClientSampled :

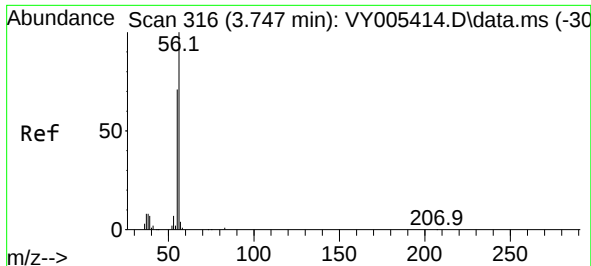
Tgt Ion:168 Resp: 124690
Ion Ratio Lower Upper
168 100
99 53.7 39.8 59.6



#11
Tert butyl alcohol
Concen: 13.676 ug/l
RT: 4.966 min Scan# 516
Delta R.T. -0.061 min
Lab File: VY005497.D
Acq: 28 Jul 2021 18:15

Tgt Ion: 59 Resp: 1721
Ion Ratio Lower Upper
59 100
57 0.0 4.7 7.1#

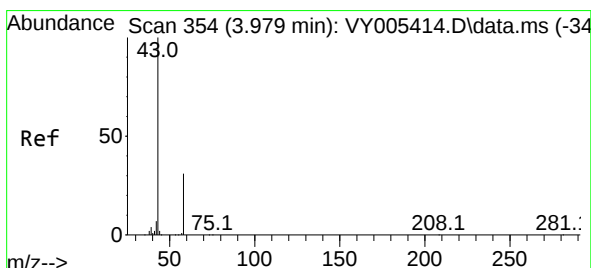
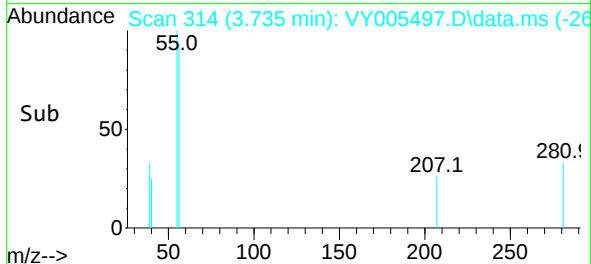
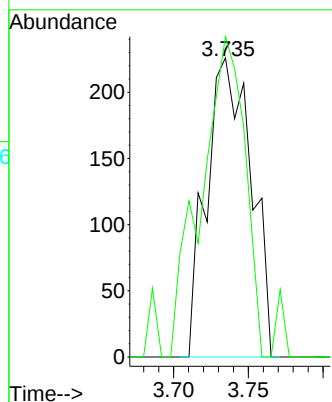
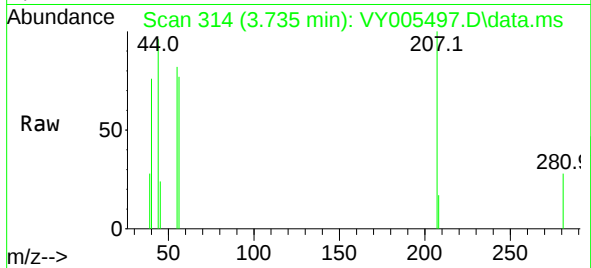




#13
Acrolein
Concen: 4.070 ug/l
RT: 3.735 min Scan# 314
Delta R.T. -0.012 min
Lab File: VY005497.D
Acq: 28 Jul 2021 18:15

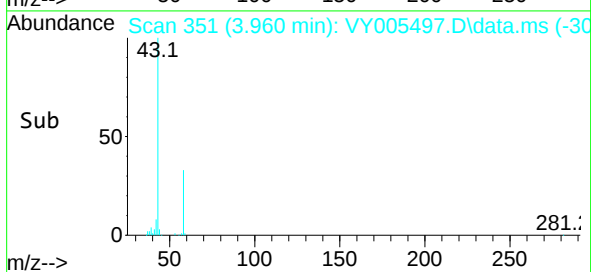
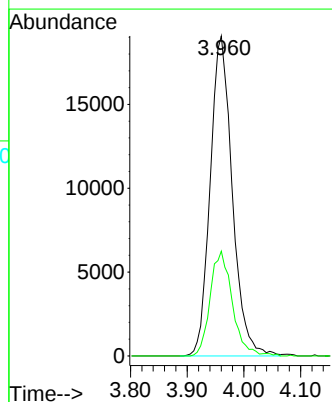
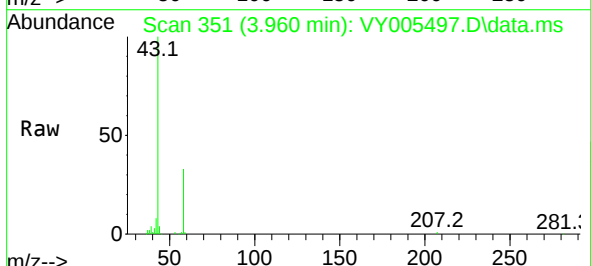
Instrument :
MSVOA_Y
ClientSampled :

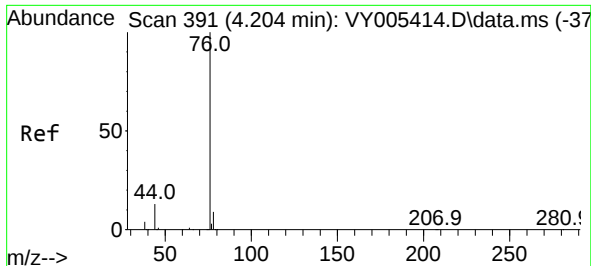
Tgt Ion: 56 Resp: 469
Ion Ratio Lower Upper
56 100
55 105.1 55.2 82.8#



#16
Acetone
Concen: 169.768 ug/l
RT: 3.960 min Scan# 351
Delta R.T. -0.018 min
Lab File: VY005497.D
Acq: 28 Jul 2021 18:15

Tgt Ion: 43 Resp: 51646
Ion Ratio Lower Upper
43 100
58 32.7 24.5 36.7

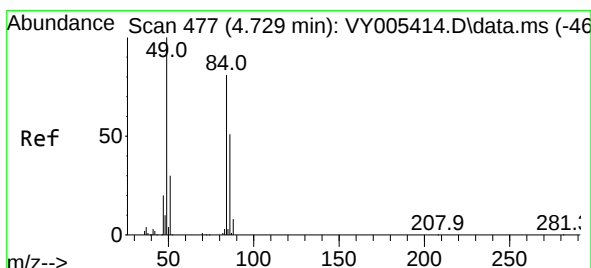
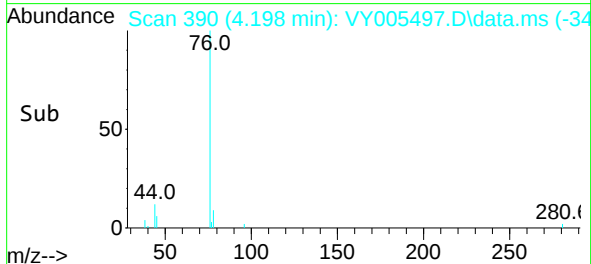
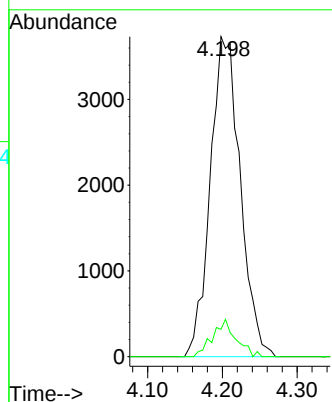
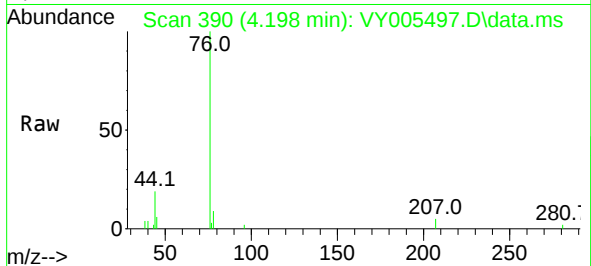




#17
Carbon Disulfide
Concen: 2.633 ug/l
RT: 4.198 min Scan# 390
Delta R.T. -0.006 min
Lab File: VY005497.D
Acq: 28 Jul 2021 18:15

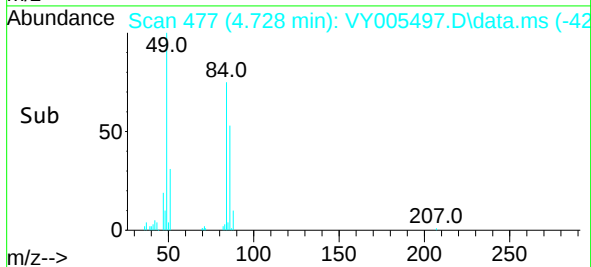
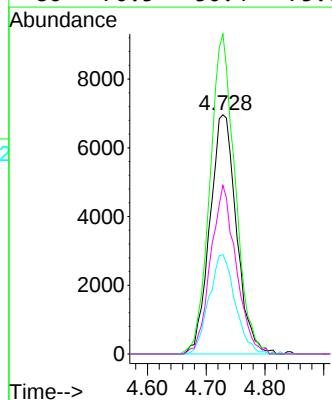
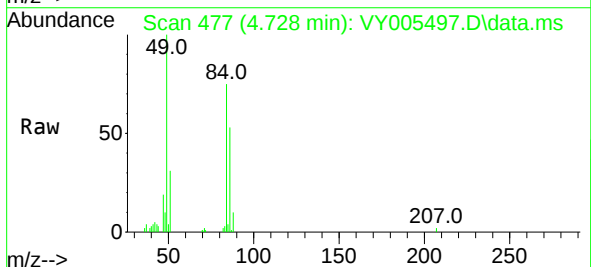
Instrument :
MSVOA_Y
ClientSampleId :

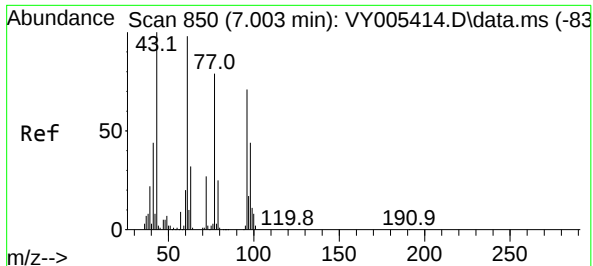
Tgt Ion: 76 Resp: 10380
Ion Ratio Lower Upper
76 100
78 8.6 7.3 10.9



#20
Methylene Chloride
Concen: 11.581 ug/l
RT: 4.728 min Scan# 477
Delta R.T. -0.001 min
Lab File: VY005497.D
Acq: 28 Jul 2021 18:15

Tgt Ion: 84 Resp: 21933
Ion Ratio Lower Upper
84 100
49 133.7 98.9 148.3
51 41.5 30.0 45.0
86 70.5 50.4 75.6

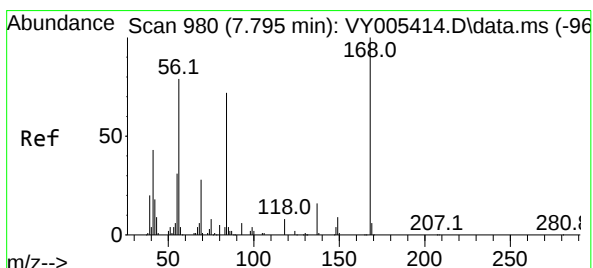
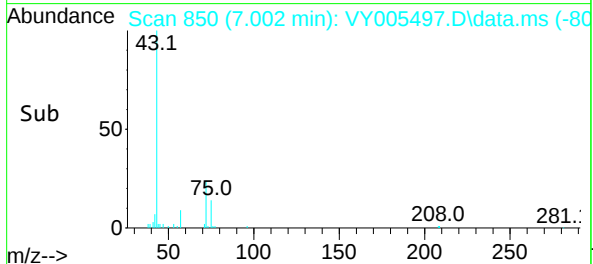
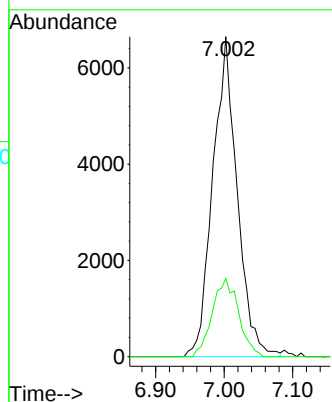
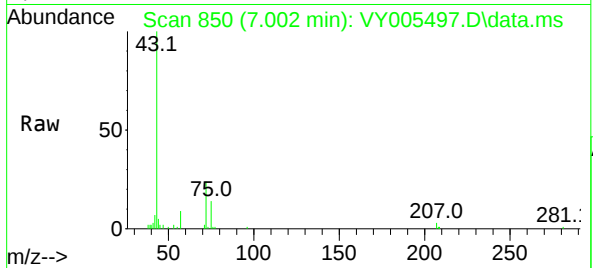




#25
2-Butanone
Concen: 36.060 ug/l
RT: 7.002 min Scan# 850
Delta R.T. -0.000 min
Lab File: VY005497.D
Acq: 28 Jul 2021 18:15

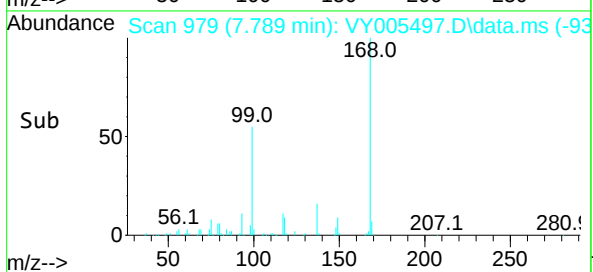
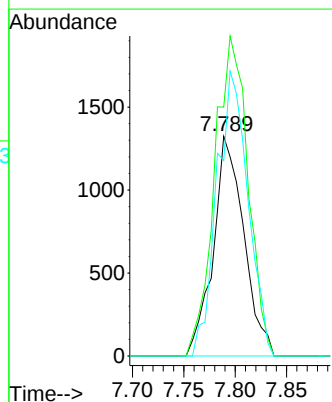
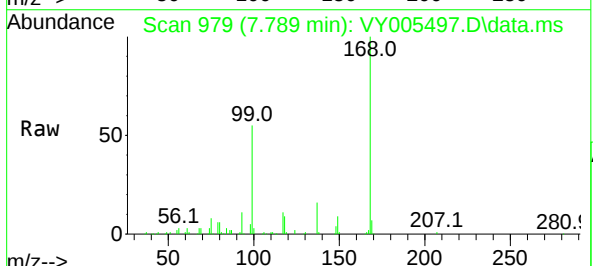
Instrument :
MSVOA_Y
ClientSampled :

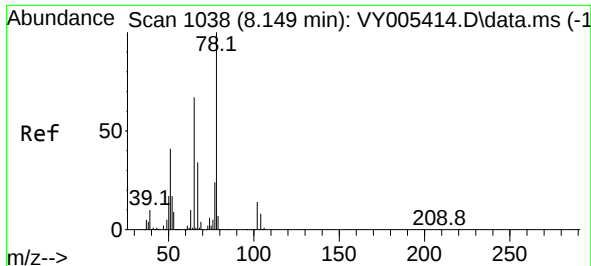
Tgt Ion: 43 Resp: 16428
Ion Ratio Lower Upper
43 100
72 24.4 21.9 32.9



#31
Cyclohexane
Concen: 1.203 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.006 min
Lab File: VY005497.D
Acq: 28 Jul 2021 18:15

Tgt Ion: 56 Resp: 2737
Ion Ratio Lower Upper
56 100
69 113.3 28.7 43.1#
84 89.0 73.0 109.6

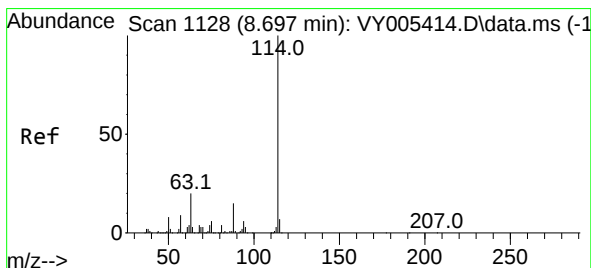
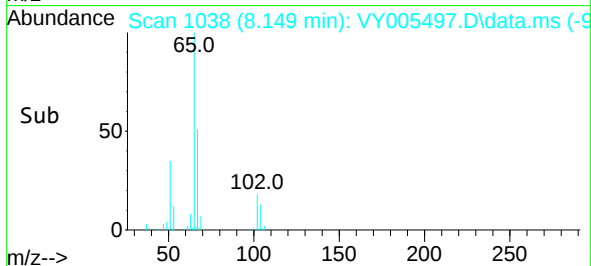
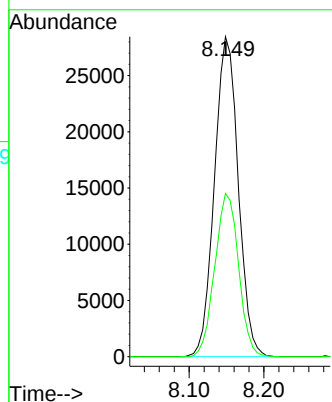
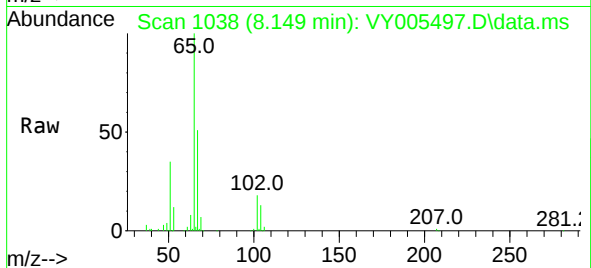




#33
1,2-Dichloroethane-d4
Concen: 47.302 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY005497.D
Acq: 28 Jul 2021 18:15

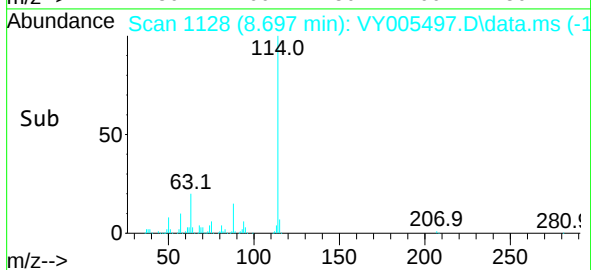
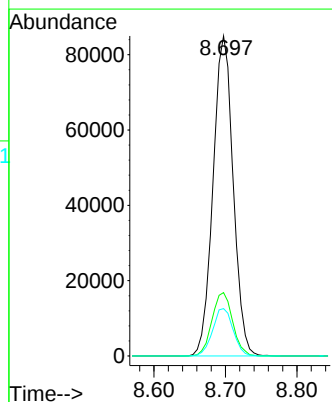
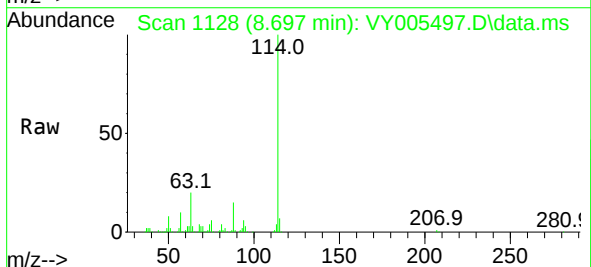
Instrument :
MSVOA_Y
ClientSampleId :

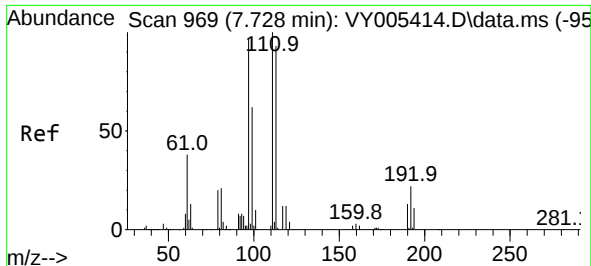
Tgt Ion: 65 Resp: 63012
Ion Ratio Lower Upper
65 100
67 50.9 0.0 102.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY005497.D
Acq: 28 Jul 2021 18:15

Tgt Ion:114 Resp: 165948
Ion Ratio Lower Upper
114 100
63 19.8 0.0 39.0
88 14.8 0.0 30.8

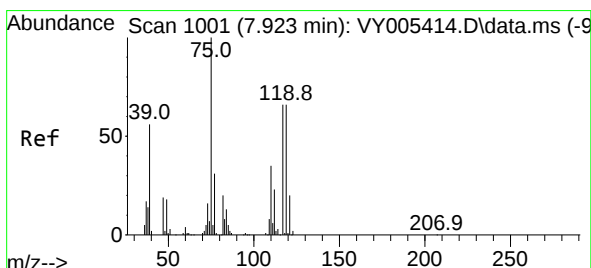
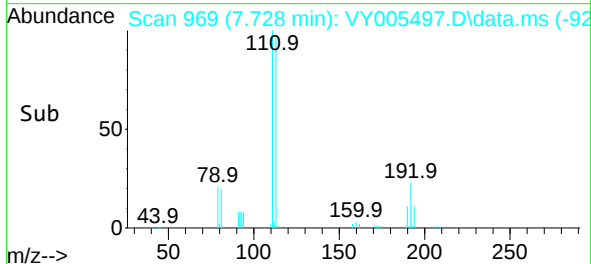
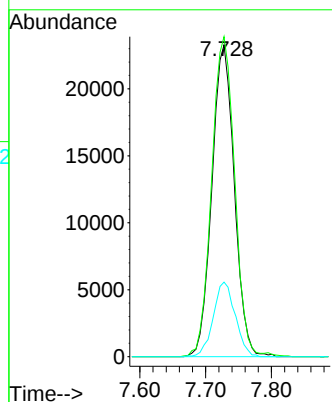
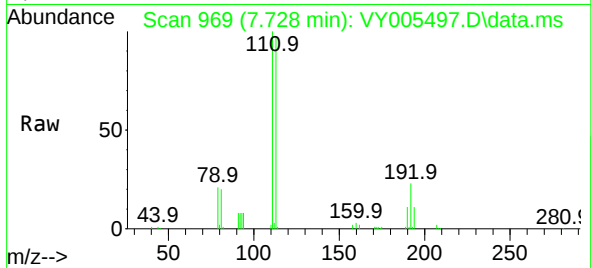




#35
Dibromofluoromethane
Concen: 57.571 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY005497.D
Acq: 28 Jul 2021 18:15

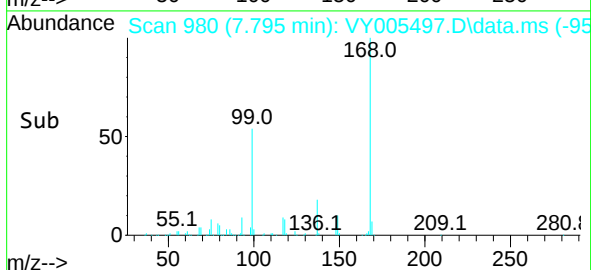
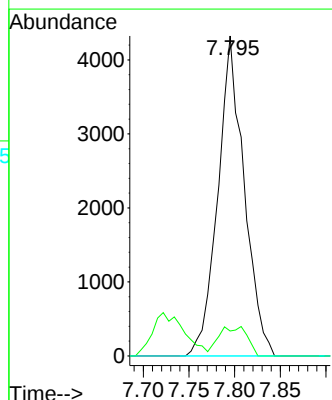
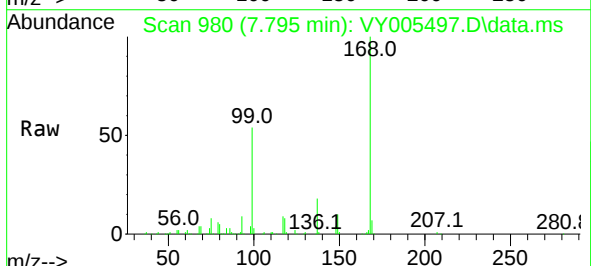
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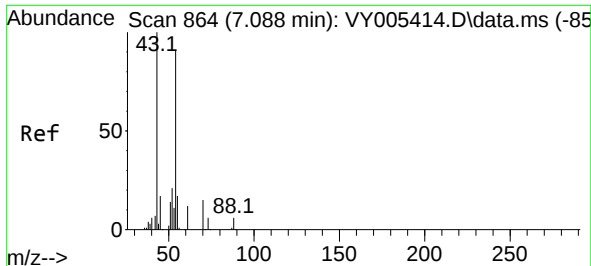
Tgt Ion:113 Resp: 55164
Ion Ratio Lower Upper
113 100
111 105.6 82.6 124.0
192 23.5 18.9 28.3



#36
1,1-Dichloropropene
Concen: 5.388 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY005497.D
Acq: 28 Jul 2021 18:15

Tgt Ion: 75 Resp: 8646
Ion Ratio Lower Upper
75 100
110 9.9 17.6 52.9#
77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 16.819 ug/l

RT: 7.002 min Scan# 850

Delta R.T. -0.085 min

Lab File: VY005497.D

Acq: 28 Jul 2021 18:15

Tgt Ion: 43 Resp: 16428

Ion Ratio Lower Upper

43 100

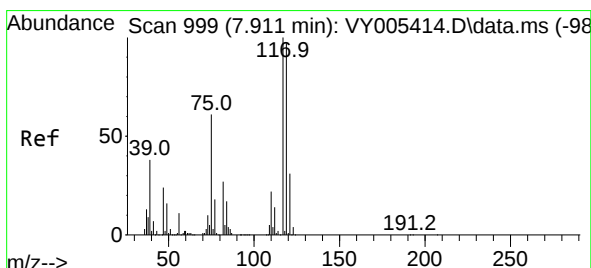
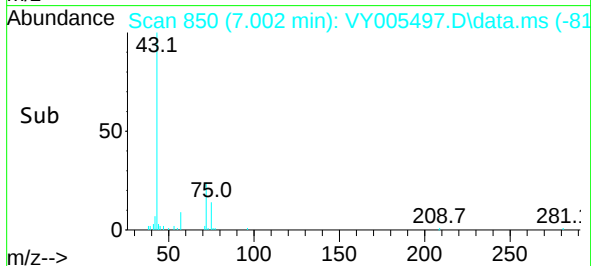
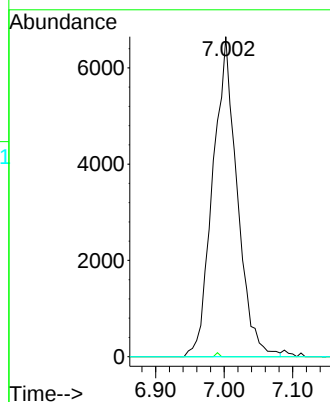
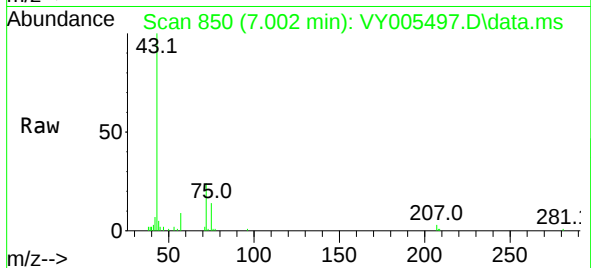
61 0.2 10.3 15.5#

70 0.0 7.9 11.9#

Instrument :

MSVOA_Y

ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.527 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.116 min

Lab File: VY005497.D

Acq: 28 Jul 2021 18:15

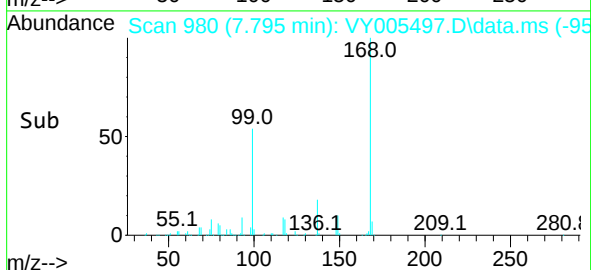
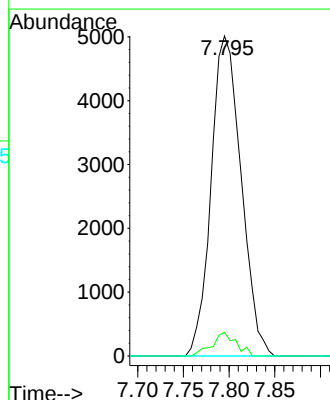
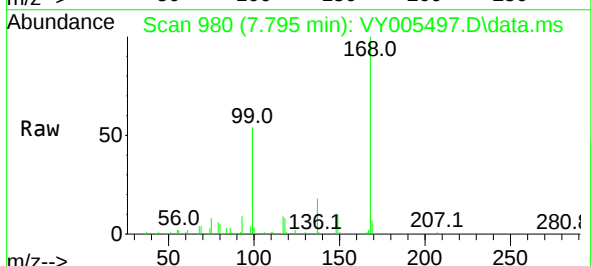
Tgt Ion: 117 Resp: 11445

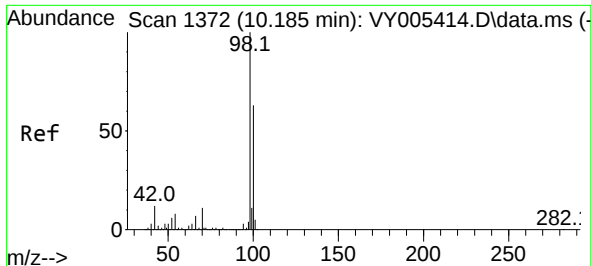
Ion Ratio Lower Upper

117 100

119 7.4 77.2 115.8#

121 0.0 25.1 37.7#

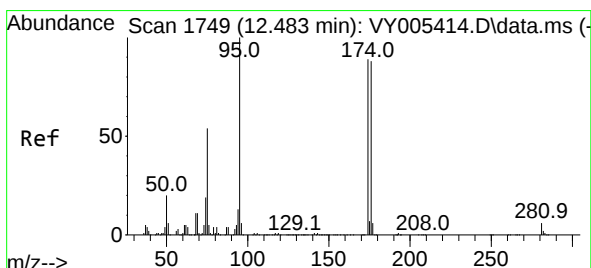
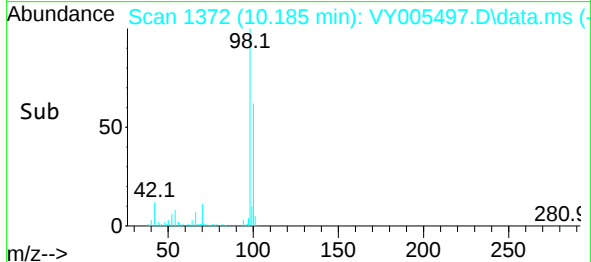
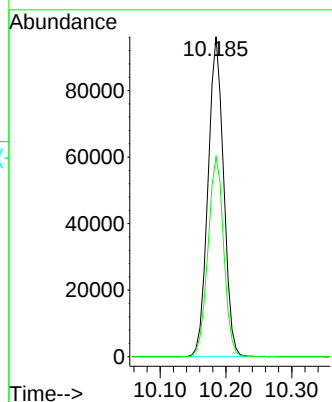
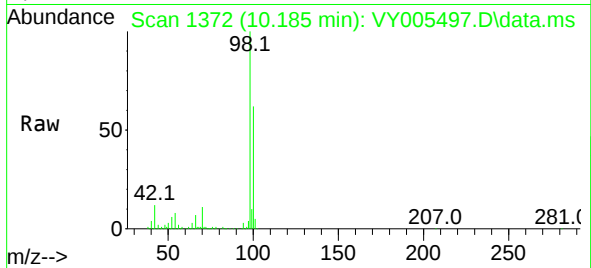




#50
Toluene-d8
Concen: 39.041 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY005497.D
Acq: 28 Jul 2021 18:15

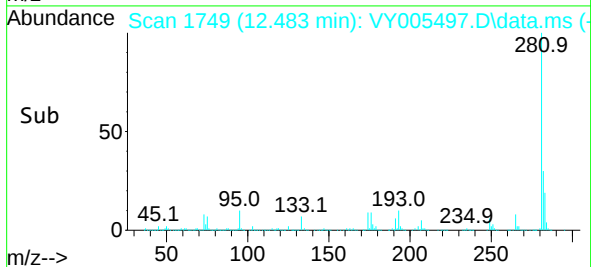
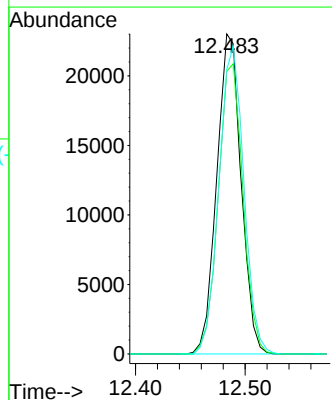
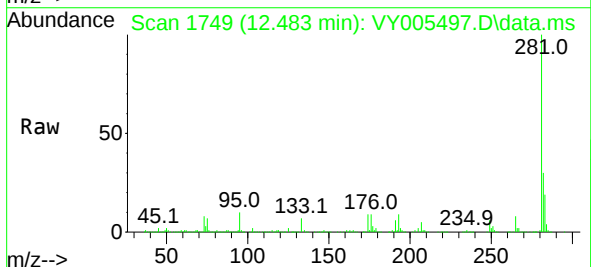
Instrument :
MSVOA_Y
ClientSampled :

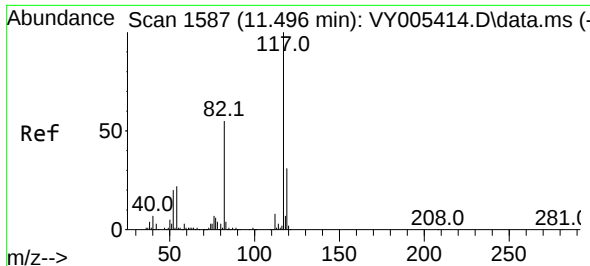
Tgt Ion: 98 Resp: 158555
Ion Ratio Lower Upper
98 100
100 62.9 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 26.525 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY005497.D
Acq: 28 Jul 2021 18:15

Tgt Ion: 95 Resp: 35554
Ion Ratio Lower Upper
95 100
174 92.0 0.0 186.6
176 98.0 0.0 182.4

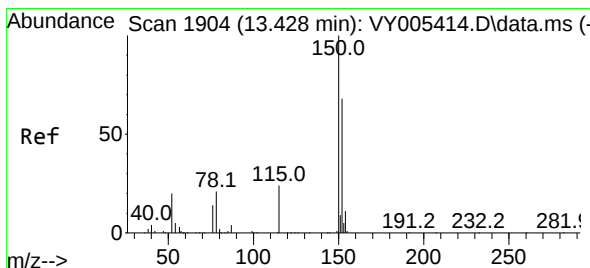
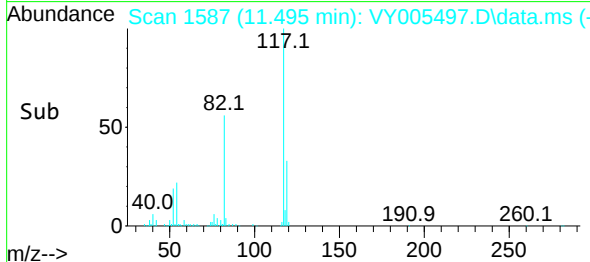
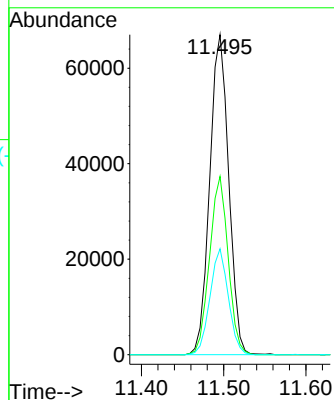
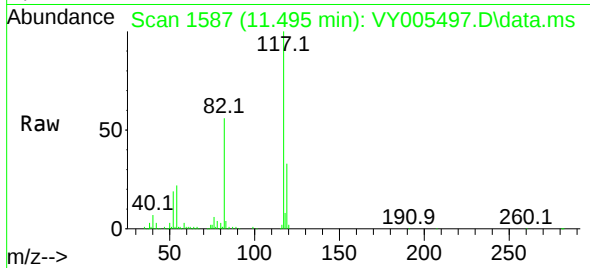




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY005497.D
Acq: 28 Jul 2021 18:15

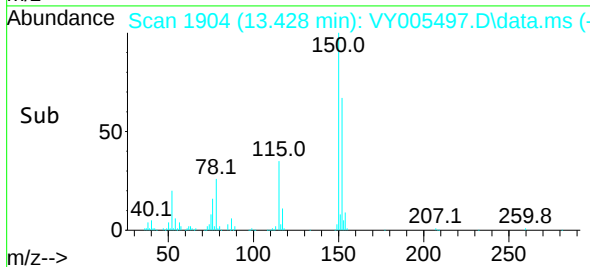
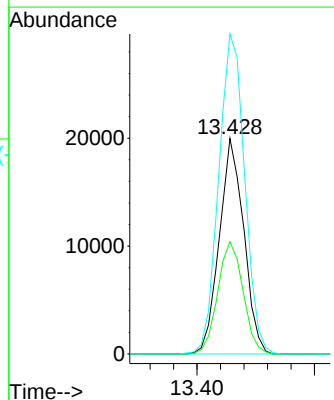
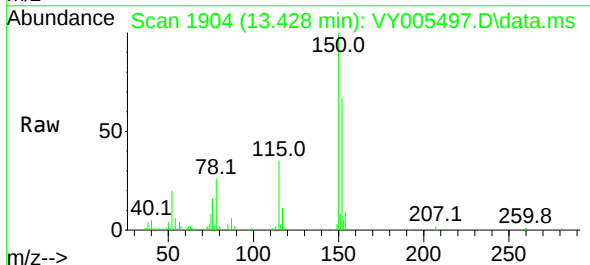
Instrument :
MSVOA_Y
ClientSampleId :

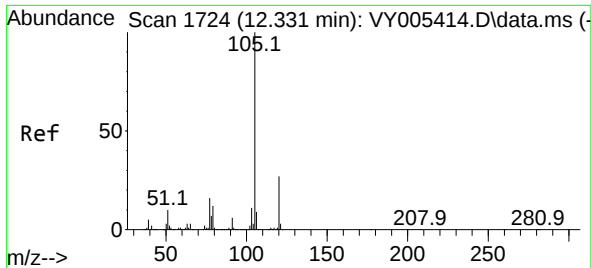
Tgt Ion:117 Resp: 107502
Ion Ratio Lower Upper
117 100
82 55.7 43.8 65.6
119 33.1 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY005497.D
Acq: 28 Jul 2021 18:15

Tgt Ion:152 Resp: 28898
Ion Ratio Lower Upper
152 100
115 53.7 27.7 83.1
150 157.5 0.0 349.6

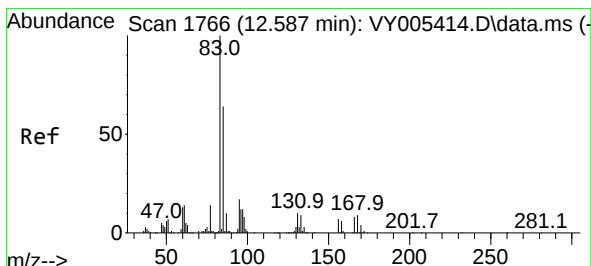
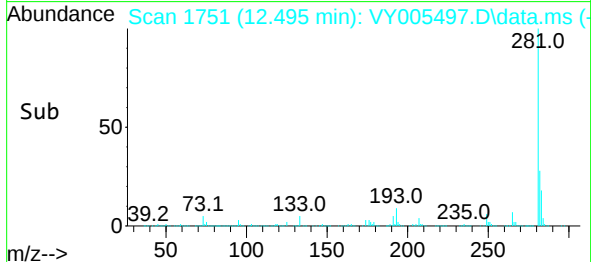
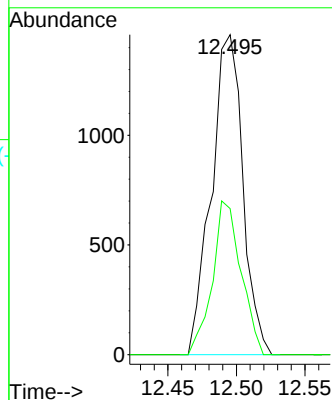
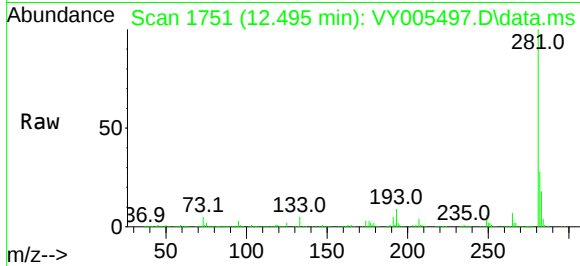




#73
Isopropylbenzene
Concen: 1.167 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.165 min
Lab File: VY005497.D
Acq: 28 Jul 2021 18:15

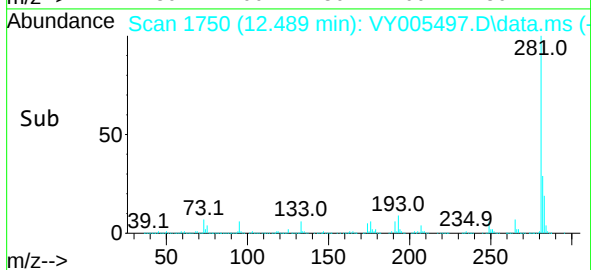
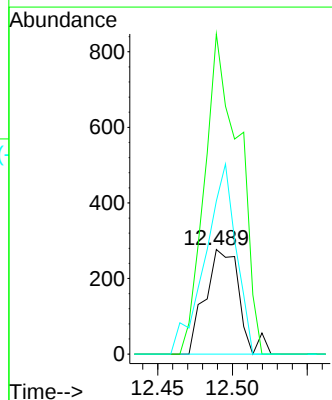
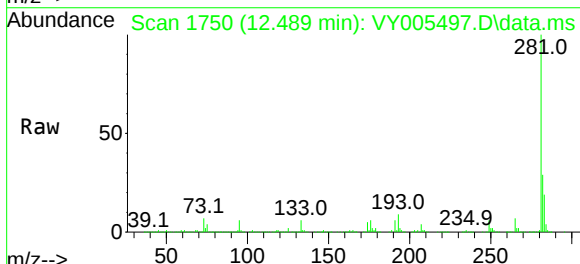
Instrument :
MSVOA_Y
ClientSampled :

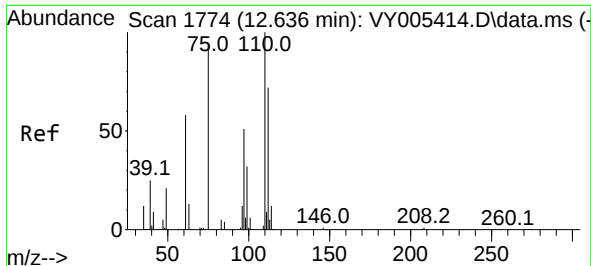
Tgt Ion:105 Resp: 2326
Ion Ratio Lower Upper
105 100
120 43.6 13.5 40.5#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.151 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.098 min
Lab File: VY005497.D
Acq: 28 Jul 2021 18:15

Tgt Ion: 83 Resp: 438
Ion Ratio Lower Upper
83 100
131 310.5 5.5 16.7#
85 164.6 31.9 95.9#

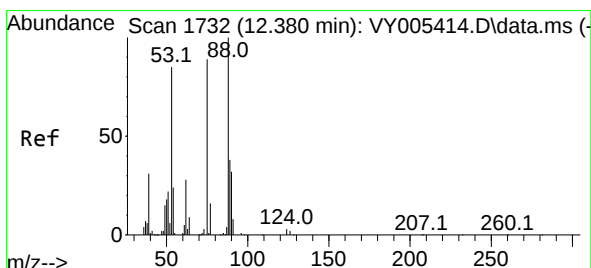
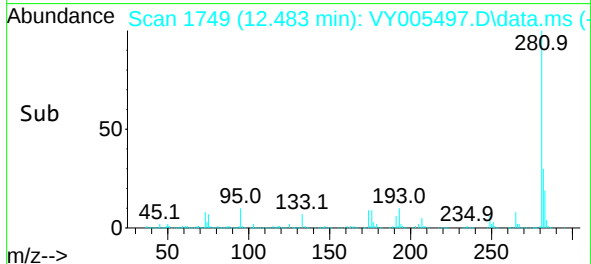
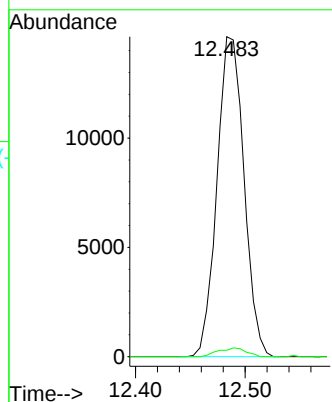
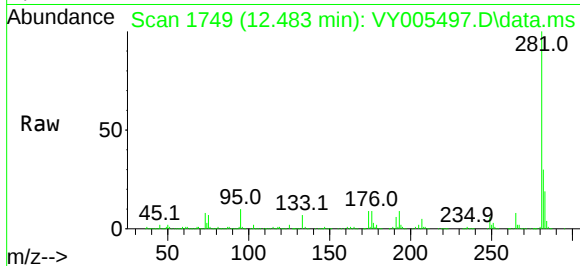




#76
1,2,3-Trichloropropane
Concen: 88.113 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY005497.D
Acq: 28 Jul 2021 18:15

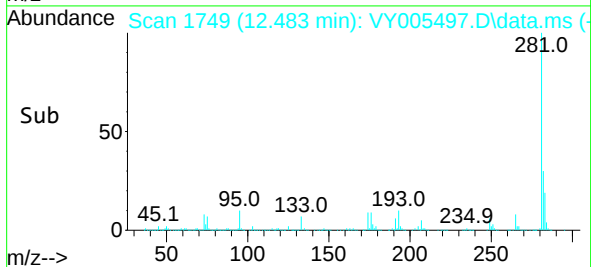
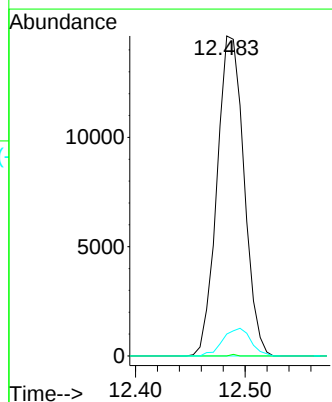
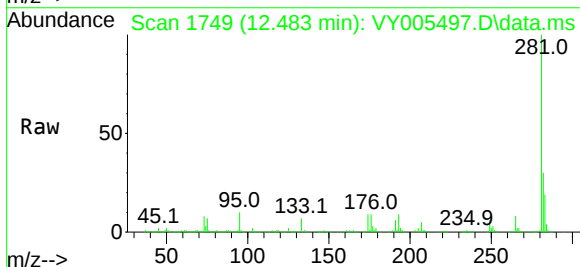
Instrument :
MSVOA_Y
ClientSampleId :

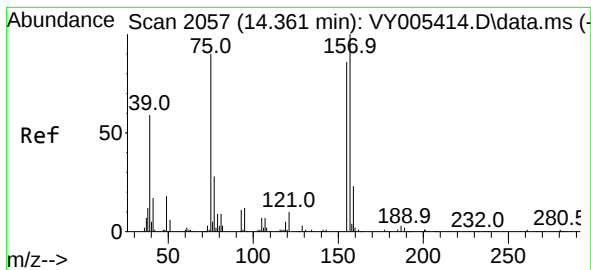
Tgt Ion: 75 Resp: 25055
Ion Ratio Lower Upper
75 100
77 2.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 171.091 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY005497.D
Acq: 28 Jul 2021 18:15

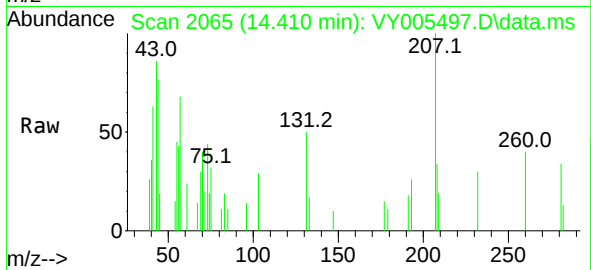
Tgt Ion: 75 Resp: 25055
Ion Ratio Lower Upper
75 100
53 0.1 76.1 114.1#
89 9.0 36.9 55.3#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.903 ug/l
 RT: 14.410 min Scan# 2065
 Delta R.T. 0.049 min
 Lab File: VY005497.D
 Acq: 28 Jul 2021 18:15

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 288
 Ion Ratio Lower Upper
 75 100
 155 0.0 43.6 130.8#
 157 0.0 54.1 162.3#

